

Liu Laqun

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the Correlation between Magnetic Field Structure and Cold Electron Transport in Negative Hydrogen Ion Sources. Applied Sciences (Switzerland), 2022, 12, 4104.	2.5	2
2	UPML Boundary Adapted to High-Q FDTD Algorithm and Its Application in High-Power Microwave Source With High-Q Value. IEEE Transactions on Plasma Science, 2022, 50, 2305-2314.	1.3	0
3	Attenuation and Reflection of TEM and TE Microwaves Through a Dielectric With Multipactor. IEEE Transactions on Electron Devices, 2022, 69, 4598-4603.	3.0	1
4	Research on parallel algorithm of high-power microwave devices simulation based on MPI-3. AIP Advances, 2022, 12, 075313.	1.3	1
5	Influence of magnetic shielding on electron dynamics characteristics of Penning ion source. AIP Advances, 2021, 11, .	1.3	4
6	Similarity of energy balance between single-surface multipactor and collisional gas discharge* . , 2021, , .		0
7	Effects of microwave frequency on growth rate of upstream dielectric multipactor. Plasma Sources Science and Technology, 2020, 29, 037001.	3.1	5
8	Application of energy-balance model from gas discharge to single-surface multipactor. Plasma Sources Science and Technology, 2020, 29, 125012.	3.1	7
9	Large-scale parallel particle-in-cell code CHIPIC. , 2019, , .		0
10	Development of a fusion-oriented pulsed power module. Physical Review Accelerators and Beams, 2019, 22, .	1.6	20
11	PIC simulation of the anode plasma in a high-power hollow cathode diode. Physics of Plasmas, 2018, 25, 022502.	1.9	3
12	Theory of plasma propagation from microlayer discharges in vacuum window breakdown. Physics of Plasmas, 2018, 25, 010703.	1.9	6
13	PIC simulation of the vacuum power flow for a 5 terawatt, 5 MV, 1 MA pulsed power system. AIP Advances, 2018, 8, 035112.	1.3	1
14	Coaxial Conical Transition in Magnetically Insulated Transmission Line. IEEE Transactions on Plasma Science, 2018, 46, 1913-1920.	1.3	4
15	Effects of rf magnetic field on upstream dielectric multipactor. Plasma Sources Science and Technology, 2018, 27, 125006.	3.1	16
16	Upstream and downstream multipactor of dielectric window by electromagnetic PIC simulations. Physics of Plasmas, 2018, 25, 062119.	1.9	5
17	PIC simulations of conical magnetically insulated transmission line with LTD generator: Transition from self-limited to load-limited flow. Physics of Plasmas, 2017, 24, .	1.9	3
18	Global optimization methods to design vacuum electronic devices. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Current Transmission Efficiency for Conical Magnetically Insulated Transmission Line on a 1.0-MV Linear Transformer Driver System. IEEE Transactions on Plasma Science, 2015, 43, 2663-2669.	1.3	14
20	The ionization rate under a general magnetic field for microwave breakdown. Physics of Plasmas, 2014, 21, 073508.	1.9	6
21	Rescaling of microwave breakdown theory for monatomic gases by particle-in-cell/Monte Carlo simulations. Physics of Plasmas, 2013, 20, 122102.	1.9	19
22	Magnetically insulated theory with both electron and ion flows. Physics of Plasmas, 2012, 19, .	1.9	10
23	Investigation on high inductive helical supported magnetically insulated transmission line on a 10-stage linear transformer driver system. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	15